



July 2009

DEPARTMENT OF EDUCATION
2008–2009 School Year Reports

Dear School Board Members and School Personnel:

The Maine Educational Assessment (MEA) is the State's measure of student progress in achieving the State accountability standards of Maine's *Learning Results*. The *Learning Results* contain goals for what all students should know and be able to do at certain times in their school careers and include the accountability standards that are assessed for each grade. The MEA is administered to students in all grades 3 through 8 to meet state assessment requirements and the requirements of the federal *No Child Left Behind* Act.

The 2008-2009 MEA Summary Reports contain the results of student achievement in reading and mathematics at all grades and science at grades 5 and 8 and disaggregated by student and school characteristics. This report, together with MEA individual student and subject-specific class analysis reports, provides support for use in program evaluation and planning.

MEA results reflect scores based on test questions that are taken in common by the approximately 15,000 students in each grade level. Students' scores in each content area are based on answers to a combination of multiple-choice questions and questions that require students to construct an answer. More information about the MEA is available at www.maine.gov/education/mea/index.htm.

I look forward to working with you in support of our continued efforts to improve the quality and effectiveness of the instructional opportunities designed to help all students achieve the high standards of the *Learning Results* and demonstrate that achievement through performance on the assessments.

Sincerely,

Susan A. Gendron
Commissioner of Education



School Report Grade 6

Test Date: March 2009
Code: 12051516
SAU: MSAD 11
School: Gardiner Regional Middle School

Contents of the Report

The report is divided into two main sections including a section describing the students tested and a separate section for the results in each content area.

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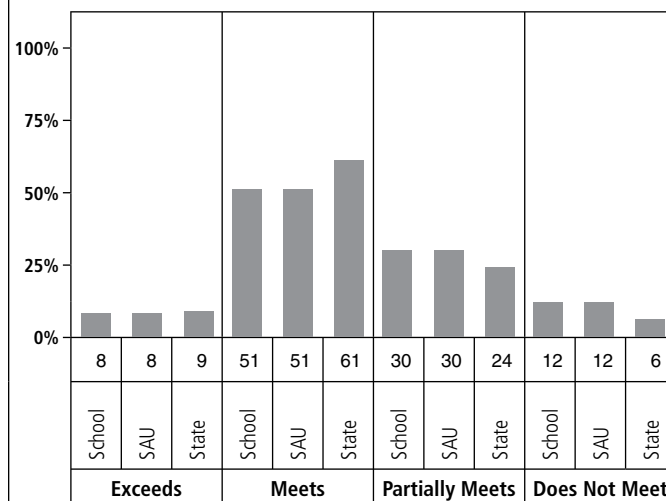
SUMMARY OF SCORES

Test Date: March 2009
Grade: 6
SAU: MSAD 11
School: Gardiner Regional Middle School

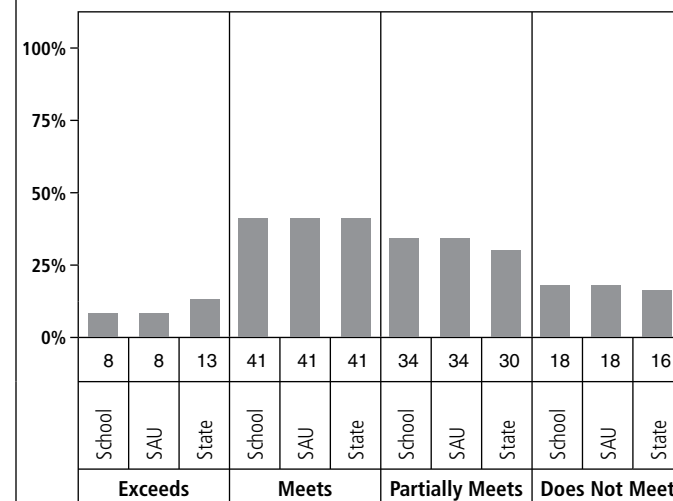
Summary of School, SAU, and State Scores

Year	Average Scaled Score		
	School	SAU	State
ELA – Reading			
2006–2007	644	644	646
2007–2008	644	644	648
2008–2009	644	644	647
Cum. Avg.*	644	644	647
Mathematics			
2006–2007	638	638	643
2007–2008	637	637	642
2008–2009	641	641	643
Cum. Avg.*	639	639	643

ELA – READING



MATHEMATICS



*Cumulative averages are weighted, i.e., the scaled scores are averaged proportionally based on the numbers of students in each year.

SUMMARY OF STUDENT PARTICIPATION

Test Date: March 2009
Grade: 6
SAU: MSAD 11
School: Gardiner Regional Middle School

CATEGORY OF PARTICIPATION	Enrollment ¹ during testing window						CONTENT AREA PARTICIPATION ²																	
	School		SAU		State		ELA-Reading						Mathematics						School		SAU		State	
	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%
	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%
Total number of students	167	100	167	100	14251	100	165	99	165	99	14150	99	165	99	165	99	14156	100						
Ethnicity African American/Black	4	2	4	2	421	3	4	100	4	100	412	98	4	100	4	100	415	99						
American Indian or Native Alaskan	1	1	1	1	128	1	1	100	1	100	127	99	1	100	1	100	128	100						
Asian or Pacific Islander	1	1	1	1	212	1	1	100	1	100	210	99	1	100	1	100	212	100						
Hispanic	2	1	2	1	181	1	2	100	2	100	177	98	2	100	2	100	178	99						
Caucasian/White	159	95	159	95	13309	93	157	99	157	99	13224	100	157	99	157	99	13223	100						
Not Reported	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0						
Identified disability	23	14	23	14	2468	17	23	100	23	100	2423	99	23	100	23	100	2426	99						
Current LEP	0	0	0	0	341	2	0	0	0	0	330	97	0	0	0	0	338	99						
Economically disadvantaged	72	43	72	43	5780	41	70	99	70	99	5724	99	70	99	70	99	5725	99						
Migrant	0	0	0	0	4	0	0	0	0	0	4	100	0	0	0	0	4	100						

MODE OF PARTICIPATION ³	ELA-Reading						Mathematics											
	School		SAU		State		School		SAU		State		School		SAU		State	
	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%
	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%
Participation without accommodations	143	86	143	86	11369	80	144	86	144	86	11373	80						
Identified disability (PET/IEP)	3	2	3	2	355	3	3	2	3	2	371	3						
LEP	0	0	0	0	167	1	0	0	0	0	170	1						
504 plan	7	5	7	5	172	2	7	5	7	5	175	2						
Participation with accommodations	21	13	21	13	2594	18	20	12	20	12	2605	18						
Identified disability (PET/IEP)	19	90	19	90	1881	73	19	95	19	95	1877	72						
LEP	0	0	0	0	155	6	0	0	0	0	161	6						
504 plan	0	0	0	0	74	3	0	0	0	0	71	3						
Other	2	10	2	10	519	20	1	5	1	5	532	20						
Participation through alternate assessment (PAAP)	1	1	1	1	187	1	1	1	1	1	178	1						
Identified disability (PET/IEP)	1	100	1	100	187	100	1	100	1	100	178	100						
LEP	0	0	0	0	8	4	0	0	0	0	7	4						
504 plan	0	0	0	0	0	0	0	0	0	0	0	0						
Approved non-participation in reading – 1st year LEP	0	0	0	0	0	0												
Approved non-participation – special consideration	1	1	1	1	26	0	1	1	1	1	25	0						
Non-participation – other	1	1	1	1	75	1	1	1	1	1	70	0						

¹Percents are the percentage of students enrolled in each participation category.

²Percents are the percentage of students, including those who participated through alternate assessment (PAAP), who participated in the content area.

³Percents are the percentage of students in each content area by mode.

ELA–READING RESULTS

Test Date: March 2009
Grade: 6
SAU: MSAD 11
School: Gardiner Regional Middle School

ACHIEVEMENT LEVEL DEFINITIONS		STUDENTS AT EACH ACHIEVEMENT LEVEL					
		School		SAU		State	
		N	%	N	%	N	%
Exceeds the Standards – The student’s work demonstrates the ability to read and interpret literary and informational texts appropriate for the grade level by drawing in-depth inferences, analyzing texts for subtle clues, synthesizing information across texts, and using his/her knowledge of text features and literary devices to make deeper connections within or across texts to increase comprehension. (Scaled Score 662–680)	2006-2007	7	5	7	5	1132	8
	2007-2008	8	6	8	6	1817	13
	2008-2009	13	8	13	8	1309	9
	Cum. Total*	28	6	28	6	4258	10
Meets the Standards – The student’s work demonstrates the ability to read and interpret literary and informational texts appropriate for the grade level by drawing inferences, summarizing main ideas and providing supporting details, connecting ideas within and across texts, and using his/her knowledge of text features and literary devices to increase comprehension. (Scaled Score 642–660)	2006-2007	84	56	84	56	8127	57
	2007-2008	79	56	79	55	8072	57
	2008-2009	83	51	83	51	8564	61
	Cum. Total*	246	54	246	54	24763	59
Partially Meets the Standards – The student’s work demonstrates an inconsistent ability to read and interpret literary and informational texts appropriate for the grade level. The student’s ability to draw inferences, summarize main ideas and provide supporting details, connect ideas within and across texts, and use his/her knowledge of text features and literary devices varies depending on the texts. (Scaled Score 630–640)	2006-2007	40	26	40	26	3549	25
	2007-2008	38	27	38	27	3194	23
	2008-2009	49	30	49	30	3291	24
	Cum. Total*	127	28	127	28	10034	24
Does Not Meet the Standards – The student’s work demonstrates a limited ability to read and interpret literary and informational texts appropriate for the grade level. The student’s responses are often vague or incorrect leaving the impression that the student found it difficult to draw inferences, summarize main ideas and provide supporting details, connect ideas within and across texts, or use his/her knowledge of text features and literary devices to support comprehension. (Scaled Score 600–628)	2006-2007	20	13	20	13	1478	10
	2007-2008	17	12	18	13	981	7
	2008-2009	19	12	19	12	799	6
	Cum. Total*	56	12	57	12	3258	8

Learning Results Content Standards	Number of Points Possible		Average Points Attained (Number and Percent)					
			School		SAU		State	
	N	%	N	%	N	%	N	%
Reading Total Points	56	100	31.2	55.7	31.2	55.7	33.8	60.4
A1/A2 Interconnected Elements/Literary Text	20	36	10.7	53.5	10.7	53.5	11.9	59.5
A1/A3/4 Interconnected Elements/Informational Text/Persuasive Text	36	64	20.5	56.9	20.5	56.9	21.9	60.8

The MEA assesses students’ reading skills based on questions related to three types of reading passages: literary, informational, and persuasive. Reading passages include both long and short texts, selected from developmentally appropriate works. MEA reading items measure the English Language Arts accountability content standard A, Reading, contained in Maine’s 2007 *Learning Results: Parameters for Essential Instruction*, which can be found at: <http://www.maine.gov/education/lres/pei/index.html>.



ELA-READING RESULTS

(CONTINUED)

Test Date: March 2009
 Grade: 6
 SAU: MSAD 11
 School: Gardiner Regional Middle School

REPORTING CATEGORIES	School										SAU						State					
	Tested	E		M		P		D		Mean Scaled Score	Tested	E	M	P	D	Mean Scaled Score	Tested	E	M	P	D	Mean Scaled Score
	N	N	%	N	%	N	%	N	%		N	%	%	%	%		N	%	%	%	%	
All Students	164	13	8	83	51	49	30	19	12	644	164	8	51	30	12	644	13963	9	61	24	6	647
Ethnicity																						
African American/Black	4										4						403	5	46	34	15	641
American Indian or Native Alaskan	1										1						125	4	49	38	10	642
Asian or Pacific Islander	1										1						206	18	56	20	6	649
Hispanic	2										2						174	5	55	33	7	644
Caucasian/White	156	13	8	81	52	43	28	19	12	644	156	8	52	28	12	644	13055	9	62	23	5	647
Not Reported	0										0						0					
Identified disability																						
Yes	22	0	0	4	18	12	55	6	27	636	22	0	18	55	27	636	2236	1	30	48	22	637
No	142	13	9	79	56	37	26	13	9	646	142	9	56	26	9	646	11727	11	67	19	3	649
Current LEP																						
Yes	0										0						322	2	39	37	21	638
No	164	13	8	83	51	49	30	19	12	644	164	8	51	30	12	644	13641	10	62	23	5	647
Economically disadvantaged																						
Yes	69	1	1	28	41	29	42	11	16	640	69	1	41	42	16	640	5617	4	54	33	9	643
No	95	12	13	55	58	20	21	8	8	647	95	13	58	21	8	647	8346	13	66	17	3	650
Migrant																						
Yes	0										0						4					
No	164	13	8	83	51	49	30	19	12	644	164	8	51	30	12	644	13959	9	61	24	6	647
Gender																						
Female	86	10	12	49	57	20	23	7	8	647	86	12	57	23	8	647	6743	13	63	20	4	649
Male	78	3	4	34	44	29	37	12	15	641	78	4	44	37	15	641	7220	6	60	27	7	645
Not Reported	0										0						0					
Title 1A targeted program																						
Yes	0										0						1408	4	41	43	12	641
No	164	13	8	83	51	49	30	19	12	644	164	8	51	30	12	644	12555	10	64	21	5	648
Gifted/talented program																						
Yes	0										0						636	39	59	2	0	659
No	164	13	8	83	51	49	30	19	12	644	164	8	51	30	12	644	13327	8	61	25	6	647

E = Exceeds the Standards M = Meets the Standards P = Partially Meets the Standards D = Does Not Meet the Standards

NOTE: Some achievement level results have been left blank because fewer than five (5) students were tested. N = Number

ELA-READING RESULTS

(QUESTIONNAIRE ITEMS)

Test Date: March 2009
Grade: 6
SAU: MSAD 11
School: Gardiner Regional Middle School

QUESTIONNAIRE ITEMS	School										SAU						State					
	Students in Each Category	E		M		P		D		Mean Scaled Score	Students in Each Category	E	M	P	D	Mean Scaled Score	Students in Each Category	E	M	P	D	Mean Scaled Score
	%	N	%	N	%	N	%	N	%		%	%	%	%	%		%	%	%	%	%	
How much homework do you do on school nights?																						
A. none	3	0	0	1	20	2	40	2	40	634	3	0	20	40	40	634	6	5	47	32	16	642
B. less than one hour	55	7	8	46	52	26	30	9	10	645	55	8	52	30	10	645	59	9	62	24	5	647
C. one to two hours	40	6	9	33	52	18	28	7	11	645	40	9	52	28	11	645	32	11	64	21	4	648
D. more than two hours	2	0	0	1	25	2	50	1	25	639	2	0	25	50	25	639	3	10	50	26	13	644
Which of the following best describes how you rate yourself as a student in reading?																						
A. very good	29	8	17	26	57	7	15	5	11	649	29	17	57	15	11	649	31	17	66	14	3	651
B. good	49	5	6	42	55	22	29	8	10	644	49	6	55	29	10	644	48	8	64	23	5	647
C. fair	19	0	0	12	40	14	47	4	13	639	19	0	40	47	13	639	18	2	48	40	10	641
D. poor	3	0	0	0	0	4	80	1	20	635	3	0	0	80	20	635	2	1	34	47	18	638
How well do the questions that you have just been given on this MEA test match what you have learned in school about reading?																						
A. The questions on the test match what I have learned in reading class.	35	6	11	32	56	12	21	7	12	645	35	11	56	21	12	645	38	13	65	18	3	650
B. They match some of what I have learned.	52	6	7	42	50	28	33	8	10	645	52	7	50	33	10	645	49	8	63	24	5	647
C. They match just a little of what I have learned.	11	1	6	8	44	6	33	3	17	641	11	6	44	33	17	641	10	5	48	36	11	642
D. There is no match.	2	0	0	0	0	2	67	1	33	634	2	0	0	67	33	634	3	3	35	38	24	639
How difficult was the reading part of this test?																						
A. more difficult than my regular schoolwork	17	2	7	11	41	13	48	1	4	643	17	7	41	48	4	643	16	7	52	30	11	644
B. about the same as my regular schoolwork	64	8	8	54	53	25	25	15	15	645	64	8	53	25	15	645	66	10	64	22	4	648
C. easier than my regular schoolwork	19	3	10	15	48	10	32	3	10	644	19	10	48	32	10	644	17	11	61	22	5	648
How difficult were the reading passages on this test?																						
A. Most of the passages were more difficult than what I normally read.	8	0	0	2	17	9	75	1	8	637	8	0	17	75	8	637	10	2	39	42	17	639
B. Most of the passages were about the same as what I normally read.	55	2	2	45	52	28	32	12	14	642	55	2	52	32	14	642	55	6	62	27	5	646
C. Most of the passages were easier than what I normally read.	38	11	18	34	57	10	17	5	8	649	38	18	57	17	8	649	35	16	67	14	3	651
How hard did you try on the reading part of this test?																						
A. I tried harder on this test than I do on my regular schoolwork.	32	3	6	21	40	21	40	7	13	642	32	6	40	40	13	642	48	10	60	24	6	647
B. I tried about the same as I do on my regular schoolwork.	63	10	10	57	56	25	25	10	10	646	63	10	56	25	10	646	49	10	63	22	5	648
C. I did not try as hard on this test as I do on my regular schoolwork.	4	0	0	4	57	1	14	2	29	641	4	0	57	14	29	641	3	3	53	29	15	642
How much time do you spend reading at home each day?																						
A. more than one hour	22	4	11	22	63	6	17	3	9	649	22	11	63	17	9	649	23	15	65	16	4	650
B. 20 minutes to an hour	57	7	8	49	54	24	26	11	12	644	57	8	54	26	12	644	49	10	64	22	4	648
C. less than 20 minutes	12	1	5	4	21	10	53	4	21	638	12	5	21	53	21	638	11	6	58	29	7	645
D. I rarely read at home.	10	1	6	7	44	7	44	1	6	643	10	6	44	44	6	643	17	2	51	36	11	642
Optional school/SAU question																						
A.	67	0	0	0	0	3	75	1	25	636	67	0	0	75	25	636						
B.	17	0	0	0	0	0	0	1	100	622	17	0	0	0	100	622						
C.	17	0	0	0	0	1	100	0	0	636	17	0	0	100	0	636						
D.	0										0											

E = Exceeds the Standards M = Meets the Standards P = Partially Meets the Standards D = Does Not Meet the Standards
N = Number

MATHEMATICS RESULTS

Test Date: March 2009
Grade: 6
SAU: MSAD 11
School: Gardiner Regional Middle School

ACHIEVEMENT LEVEL DEFINITIONS		STUDENTS AT EACH ACHIEVEMENT LEVEL					
		School		SAU		State	
		N	%	N	%	N	%
Exceeds the Standards – The student’s work demonstrates in-depth understanding of essential concepts in mathematics, including the ability to make multiple connections among central ideas. The student’s responses demonstrate the ability to synthesize information; analyze and solve difficult problems, including developing and implementing strategies, efficiently and accurately performing procedures, and recording and justifying solutions; and explain complex concepts. (Scaled Score 662–680)	2006-2007	8	5	8	5	2092	15
	2007-2008	6	4	6	4	1474	10
	2008-2009	13	8	13	8	1807	13
	Cum. Total*	27	6	27	6	5373	13
Meets the Standards – The student’s work demonstrates a general understanding of essential concepts in mathematics, including the ability to make connections among central ideas. The student’s responses demonstrate the ability to analyze and solve problems including developing and implementing strategies, to perform procedures, and to record and explain solutions and concepts. The student’s work may contain minor errors. (Scaled Score 642–660)	2006-2007	56	37	56	37	5731	40
	2007-2008	53	37	53	37	6008	43
	2008-2009	67	41	67	41	5662	41
	Cum. Total*	176	39	176	38	17401	41
Partially Meets the Standards – The student’s work demonstrates incomplete understanding of essential concepts in mathematics and inconsistent connections among central ideas. The student’s responses demonstrate some ability to analyze and solve problems, and explain concepts. Problem solving strategies may be flawed, procedures performed inaccurately, methods not recorded and/or problems not completed. (Scaled Score 628–640)	2006-2007	53	35	53	35	4175	29
	2007-2008	42	30	42	29	4244	30
	2008-2009	55	34	55	34	4219	30
	Cum. Total*	150	33	150	33	12638	30
Does Not Meet the Standards – The student’s work demonstrates limited understanding of essential concepts in mathematics and infrequent or inaccurate connections among central ideas. The student’s responses demonstrate minimal ability to solve problems and explain concepts. Problem solving strategies and procedures are often flawed or inappropriate and there may be many omissions. (Scaled Score 600–626)	2006-2007	34	23	34	23	2308	16
	2007-2008	41	29	42	29	2346	17
	2008-2009	29	18	29	18	2290	16
	Cum. Total*	104	23	105	23	6944	16

Learning Results Content Standards	Number of Points Possible		Average Points Attained (Number and Percent)					
			School		SAU		State	
	N	%	N	%	N	%	N	%
Mathematics Total Points	56	100	29.0	51.8	29.0	51.8	30.6	54.6
A. Number	18	32	9.6	53.3	9.6	53.3	10.3	57.2
B. Data	12	21	6.6	55.0	6.6	55.0	6.6	55.0
C. Geometry	14	25	7.2	51.4	7.2	51.4	7.3	52.1
D. Algebra	12	21	5.7	47.5	5.7	47.5	6.5	54.2

The MEA assesses students’ mathematics knowledge based on questions that measure the mathematics accountability content standards contained in Maine’s 2007 *Learning Results: Parameters for Essential Instruction*, which can be found at: <http://www.maine.gov/education/lres/pei/index.html>.

Content Standard A, Number, includes Whole Number, Rational Number, and Real Number.

Content Standard B, Data, includes Measurement and Approximation, Data Analysis, and Probability.

Content Standard C, Geometry, includes Geometric Figures, Geometric Measurement, and Transformations.

Content Standard D, Algebra, includes Symbols and Expressions, Equations and Inequalities, and Functions and Relations.



MATHEMATICS RESULTS

(CONTINUED)

Test Date: March 2009
 Grade: 6
 SAU: MSAD 11
 School: Gardiner Regional Middle School

REPORTING CATEGORIES	School										SAU						State					
	Tested	E		M		P		D		Mean Scaled Score	Tested	E	M	P	D	Mean Scaled Score	Tested	E	M	P	D	Mean Scaled Score
	N	N	%	N	%	N	%	N	%		N	%	%	%	%		N	%	%	%	%	
All Students	164	13	8	67	41	55	34	29	18	641	164	8	41	34	18	641	13978	13	41	30	16	643
Ethnicity																						
African American/Black	4										4						406	4	26	36	34	633
American Indian or Native Alaskan	1										1						126	4	29	40	28	635
Asian or Pacific Islander	1										1						208	18	47	23	12	647
Hispanic	2										2						175	5	31	41	23	638
Caucasian/White	156	13	8	66	42	49	31	28	18	641	156	8	42	31	18	641	13063	13	41	30	16	643
Not Reported	0										0						0					
Identified disability																						
Yes	22	0	0	4	18	7	32	11	50	626	22	0	18	32	50	626	2248	3	18	33	46	629
No	142	13	9	63	44	48	34	18	13	643	142	9	44	34	13	643	11730	15	45	30	11	646
Current LEP																						
Yes	0										0						331	3	22	35	40	631
No	164	13	8	67	41	55	34	29	18	641	164	8	41	34	18	641	13647	13	41	30	16	643
Economically disadvantaged																						
Yes	69	0	0	21	30	31	45	17	25	635	69	0	30	45	25	635	5620	6	33	37	25	637
No	95	13	14	46	48	24	25	12	13	644	95	14	48	25	13	644	8358	18	45	26	11	647
Migrant																						
Yes	0										0						4					
No	164	13	8	67	41	55	34	29	18	641	164	8	41	34	18	641	13974	13	41	30	16	643
Gender																						
Female	86	8	9	37	43	28	33	13	15	641	86	9	43	33	15	641	6738	12	40	32	16	642
Male	78	5	6	30	38	27	35	16	21	640	78	6	38	35	21	640	7240	14	41	29	16	644
Not Reported	0										0						0					
Title 1A targeted program																						
Yes	0										0						1410	3	24	41	32	634
No	164	13	8	67	41	55	34	29	18	641	164	8	41	34	18	641	12568	14	42	29	15	644
Gifted/talented program																						
Yes	0										0						637	65	32	3	0	665
No	164	13	8	67	41	55	34	29	18	641	164	8	41	34	18	641	13341	10	41	31	17	642

E = Exceeds the Standards M = Meets the Standards P = Partially Meets the Standards D = Does Not Meet the Standards

NOTE: Some achievement level results have been left blank because fewer than five (5) students were tested. N = Number

MATHEMATICS RESULTS

(QUESTIONNAIRE ITEMS)

Test Date: March 2009
Grade: 6
SAU: MSAD 11
School: Gardiner Regional Middle School

QUESTIONNAIRE ITEMS	School										SAU						State					
	Students in Each Category	E		M		P		D		Mean Scaled Score	Students in Each Category	E	M	P	D	Mean Scaled Score	Students in Each Category	E	M	P	D	Mean Scaled Score
	%	N	%	N	%	N	%	N	%		%	%	%	%	%		%	%	%	%	%	
How much homework do you do on school nights?																						
A. none	3	0	0	1	20	0	0	4	80	618	3	0	20	0	80	618	6	7	32	28	32	636
B. less than one hour	55	10	11	36	41	27	31	15	17	642	55	11	41	31	17	642	59	13	41	30	16	643
C. one to two hours	40	3	5	28	44	24	38	9	14	641	40	5	44	38	14	641	32	14	41	31	14	644
D. more than two hours	2	0	0	0	0	3	75	1	25	629	2	0	0	75	25	629	3	11	31	33	26	639
Which of the following best describes how you rate yourself as a student in mathematics?																						
A. very good	32	8	16	26	51	12	24	5	10	647	32	16	51	24	10	647	30	27	45	18	9	651
B. good	47	4	5	30	40	25	33	16	21	639	47	5	40	33	21	639	46	9	45	31	15	643
C. fair	18	1	3	8	28	16	55	4	14	637	18	3	28	55	14	637	20	2	29	43	26	635
D. poor	3	0	0	0	0	1	20	4	80	614	3	0	0	20	80	614	4	1	15	46	38	630
How well do the questions that you have just been given on this MEA test match what you have learned in school about mathematics?																						
A. The questions on the test match what I have learned in mathematics class.	47	6	8	29	38	30	39	11	14	641	47	8	38	39	14	641	35	18	42	27	13	646
B. They match some of what I have learned.	45	5	7	36	49	19	26	13	18	641	45	7	49	26	18	641	50	11	43	31	15	643
C. They match just a little of what I have learned.	8	2	15	1	8	5	38	5	38	634	8	15	8	38	38	634	13	8	31	36	26	638
D. There is no match.	0										0						3	5	16	27	51	628
How difficult was the mathematics part of this test?																						
A. more difficult than my regular schoolwork	25	1	3	19	49	10	26	9	23	640	25	3	49	26	23	640	32	7	40	34	20	640
B. about the same as my regular schoolwork	65	11	11	39	38	37	36	17	16	641	65	11	38	36	16	641	56	13	42	30	15	644
C. easier than my regular schoolwork	10	1	6	7	44	6	38	2	13	642	10	6	44	38	13	642	12	31	36	20	13	650
How hard did you try on the mathematics part of this test?																						
A. I tried harder on this test than I do on my regular schoolwork.	39	4	6	28	45	24	39	6	10	642	39	6	45	39	10	642	51	11	41	31	16	643
B. I tried about the same as I do on my regular schoolwork.	57	7	8	36	40	28	31	20	22	640	57	8	40	31	22	640	45	15	41	29	16	644
C. I did not try as hard on this test as I do on my regular schoolwork.	4	2	33	1	17	0	0	3	50	632	4	33	17	0	50	632	4	12	28	32	28	638
On average, how many minutes a day do you spend working on mathematics in class?																						
A. less than 30 minutes	8	0	0	3	25	3	25	6	50	626	8	0	25	25	50	626	6	8	29	29	34	635
B. 30–45 minutes	31	1	2	20	40	20	40	9	18	638	31	2	40	40	18	638	33	10	37	34	19	641
C. 45–60 minutes	55	9	10	41	47	27	31	11	13	644	55	10	47	31	13	644	45	15	44	29	12	645
D. more than 60 minutes	6	3	30	2	20	3	30	2	20	646	6	30	20	30	20	646	16	15	41	28	16	644
How often do you use calculators in mathematics class?																						
A. almost every day	2	0	0	0	0	1	25	3	75	628	2	0	0	25	75	628	9	14	35	29	22	641
B. two or three days a week	20	2	6	12	38	11	34	7	22	639	20	6	38	34	22	639	26	15	40	30	16	644
C. two or three times each month	44	10	14	27	38	21	30	13	18	641	44	14	38	30	18	641	31	13	43	30	14	644
D. never or almost never	34	1	2	27	49	21	38	6	11	641	34	2	49	38	11	641	34	11	40	31	18	642
How often do you use hands-on materials in mathematics class?																						
A. almost every day	13	1	5	6	30	9	45	4	20	638	13	5	30	45	20	638	17	8	35	33	24	639
B. two or three days a week	25	2	5	18	46	11	28	8	21	638	25	5	46	28	21	638	28	13	42	30	15	643
C. two or three times each month	40	8	13	22	35	23	37	10	16	642	40	13	35	37	16	642	31	15	43	30	13	645
D. never or almost never	22	2	6	17	50	10	29	5	15	643	22	6	50	29	15	643	23	14	39	30	17	643
Optional school/SAU question																						
A.	67	0	0	1	25	1	25	2	50	629	67	0	25	25	50	629						
B.	17	0	0	0	0	0	0	1	100	622	17	0	0	0	100	622						
C.	17	0	0	0	0	1	100	0	0	640	17	0	0	100	0	640						
D.	0										0											

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